

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055448.D
 Acq On : 7 May 2019 19:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:19:32 AM

Quant Time: May 08 07:28:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	354380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	579522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	499691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	217573	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	248989	53.71	ug/l	0.00
Spiked Amount						
						Recovery = 107.42%
35) Dibromofluoromethane	7.59	113	193710	50.93	ug/l	0.00
Spiked Amount						
						Recovery = 101.86%
50) Toluene-d8	10.09	98	684330	49.82	ug/l	0.00
Spiked Amount						
						Recovery = 99.64%
62) 4-Bromofluorobenzene	12.40	95	240389	56.00	ug/l	0.00
Spiked Amount						
						Recovery = 112.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	200110	46.088	ug/l	100
3) Chloromethane	2.06	50	238052	44.277	ug/l	98
4) Vinyl Chloride	2.19	62	193510	44.651	ug/l	97
5) Bromomethane	2.54	94	122142	53.207	ug/l	97
6) Chloroethane	2.69	64	109614	46.689	ug/l	99
7) Trichlorofluoromethane	3.01	101	291466	47.297	ug/l	99
8) Diethyl Ether	3.41	74	119584	55.465	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	178275	48.580	ug/l	99
10) Methyl Iodide	3.95	142	244130	47.271	ug/l	98
11) Tert butyl alcohol	4.80	59	114461	431.230	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	168921	48.254	ug/l	98
13) Acrolein	3.61	56	70528	340.237	ug/l	97
14) Allyl chloride	4.33	41	380980	52.547	ug/l	97
15) Acrylonitrile	4.99	53	502899	337.075	ug/l	99
16) Acetone	3.82	43	415295	287.491	ug/l	98
17) Carbon Disulfide	4.05	76	351425	38.467	ug/l	99
18) Methyl Acetate	4.33	43	260817	74.628	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	605050	61.481	ug/l	100
20) Methylene Chloride	4.55	84	214807	48.718	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	178040	48.022	ug/l	95
22) Diisopropyl ether	5.95	45	832040	57.758	ug/l	96
23) Vinyl Acetate	5.90	43	2963424	313.876	ug/l	99
24) 1,1-Dichloroethane	5.85	63	400032	52.118	ug/l	99
25) 2-Butanone	6.84	43	646464	349.934	ug/l	99
26) 2,2-Dichloropropane	6.83	77	250718	47.303	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	221085	52.438	ug/l	99
28) Bromochloromethane	7.20	49	195818	50.613	ug/l	96
29) Tetrahydrofuran	7.22	42	422341	357.028	ug/l	100
30) Chloroform	7.37	83	383341	52.686	ug/l	99
31) Cyclohexane	7.66	56	332625	45.612	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	303311	51.364	ug/l	100
36) 1,1-Dichloropropene	7.80	75	262468	47.284	ug/l	99
37) Ethyl Acetate	6.93	43	272745	64.110	ug/l	99
38) Carbon Tetrachloride	7.78	117	246151	45.970	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	286288	48.508	ug/l	97
40) Benzene	8.04	78	821975	50.232	ug/l	99
41) Methacrylonitrile	7.17	41	159231	68.872	ug/l	95
42) 1,2-Dichloroethane	8.13	62	310345	53.547	ug/l	100
43) Isopropyl Acetate	8.17	43	462607	67.663	ug/l	98
44) Trichloroethene	8.84	130	204307	48.976	ug/l	98
45) 1,2-Dichloropropane	9.12	63	246841	52.302	ug/l	97
46) Dibromomethane	9.21	93	139897	54.229	ug/l	99
47) Bromodichloromethane	9.40	83	292908	52.926	ug/l	98
48) Methyl methacrylate	9.20	41	223431	66.476	ug/l	99
49) 1,4-Dioxane	9.20	88	51379	1478.773	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1375986	357.464	ug/l	98
52) Toluene	10.16	92	481606	51.294	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	278788	58.028	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	329408	54.992	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	197423	56.624	ug/l	99
56) Ethyl methacrylate	10.43	69	286146	66.679	ug/l	99
57) 1,3-Dichloropropane	10.71	76	348746	57.019	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	395690	294.767	ug/l	99
59) 2-Hexanone	10.75	43	891973	370.351	ug/l	98
60) Dibromochloromethane	10.90	129	203867	57.212	ug/l	98
61) 1,2-Dibromoethane	11.01	107	189555	58.821	ug/l	100
64) Tetrachloroethene	10.63	164	203409	49.778	ug/l	98
65) Chlorobenzene	11.44	112	498009	50.975	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	198188	51.808	ug/l	100
67) Ethyl Benzene	11.51	91	923536	52.349	ug/l	100
68) m/p-Xylenes	11.62	106	672418	106.781	ug/l	99
69) o-Xylene	11.95	106	339610	54.411	ug/l	99
70) Styrene	11.96	104	567948	59.264	ug/l	100
71) Bromoform	12.13	173	132635	62.484	ug/l #	97
73) Isopropylbenzene	12.25	105	912209	52.874	ug/l	100
74) N-amyl acetate	12.07	43	364613	65.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	260126	61.044	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	222506m	55.285	ug/l	
77) Bromobenzene	12.53	156	214922	51.865	ug/l	94
78) n-propylbenzene	12.59	91	1029786	46.077	ug/l	100
79) 2-Chlorotoluene	12.68	91	628638	53.499	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	782557	45.879	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	60361	52.575	ug/l	88
82) 4-Chlorotoluene	12.77	91	609067	46.871	ug/l	98
83) tert-Butylbenzene	12.99	119	670166	55.849	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	743915	48.766	ug/l	100
85) sec-Butylbenzene	13.17	105	875842	47.242	ug/l	100
86) p-Isopropyltoluene	13.29	119	759800	49.863	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	356439	48.958	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	345160	50.342	ug/l	100
89) n-Butylbenzene	13.62	91	597363	55.170	ug/l	100
90) Hexachloroethane	13.87	117	123055	51.036	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	364628	50.531	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39981	69.848	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	142132	49.965	ug/l	99
94) Hexachlorobutadiene	15.01	225	124279	57.665	ug/l	97
95) Naphthalene	15.13	128	309255	51.061	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	147353	52.461	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

